

<b>Project Title:</b>	DNA damage recognition by nucleotide excision repair proteins
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<b>Grant Number:</b>	R01ES019566

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Apoptosis induced by persistent single-strand breaks in mitochondrial genome: critical role of EXOG ...	Tann, Anne W; Boldogh, Istvan; Meiss, Gregor; Qian, Wei; Van Houten, Bennett; Mitra, Sankar; Szczesny, Bartosz	J Biol Chem (2011 Sep 16)	286 / 31975-83	<a href="#">PubMed Citation</a>
Crucial role for DNA ligase III in mitochondria but not in Xrcc1-dependent repair.	Simsek, Deniz; Furda, Amy; Gao, Yankun; Artus, Jérôme; Brunet, Erika; Hadjantonakis, Anna-Katerina; Van Houten, Bennett;	Nature (2011 Mar 10)	471 / 245-8	<a href="#">PubMed Citation</a>

Damaged DNA induced UV-damaged DNA-binding protein (UV-DDB) dimerization and its roles in chromatin ...	Shuman, Stewart; McKinnon, Peter J; Jasin, Maria	Yeh, Joanne I; Levine, Arthur S; Du, Shoucheng; Chinte, Unmesh; Ghodke, Harshad; Wang, Hong; Shi, Haibin; Hsieh, Ching L; Conway, James F; Van Houten, Bennett; Rapic-Otrin, Vesna	Proc Natl Acad Sci U S A (2012 Oct 9)	109 / E2737-46	PubMed Citat
Directly interrogating single quantum dot labelled UvrA2 molecules on DNA tightropes using an optica ...	Simons, Michelle; Pollard, Mark R; Hughes, Craig D; Ward, Andrew D; Van Houten, Bennett; Towrie, Mike; Botchway, Stan W; Parker, Anthony W; Kad, Neil M	Sci Rep (2015 Dec 22)	5 / 18486	PubMed Citat	
Dynamics of lesion processing by bacterial nucleotide excision repair proteins.	Kad, Neil M; Van Houten, Bennett	Prog Mol Biol Transl Sci (2012)	110 / 1-24	PubMed Citat	
Energy metabolism in human pluripotent stem cells and their differentiated counterparts.	Varum, Sandra; Rodrigues, Ana S; Moura, Michelle B; Momcilovic, Olga; Easley 4th, Charles A; Ramalho-Santos, João; Van Houten, Bennett; Schatten, Gerald	PLoS One (2011)	6 / e20914	PubMed Citat	
Identification of a chemical that inhibits the mycobacterial UvrABC complex in nucleotide excision r ...	Mazloum, Nayef; Stegman, Melanie A; Croteau, Deborah L; Van Houten, Bennett; Kwon, Nyoun Soo; Ling, Yan; Dickinson, Caitlyn; Venugopal, Aditya; Towheed, Mohammad Atif; Nathan, Carl	Biochemistry (2011 Mar 1)	50 / 1329-35	PubMed Citat	
Investigation of bacterial nucleotide excision repair using single-molecule techniques.	Van Houten, Bennett; Kad, Neil	DNA Repair (Amst) (2014 Aug)	20 / 41-8	PubMed Citat	
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Nucleotide excision repair in <i>Trypanosoma brucei</i> : specialization of transcription-coupled repair due ...	Machado, Carlos R; Vieira-da-Rocha, João P; Mendes, Isabela Cecilia; Rajão, Matheus A; Marcelló, Lucio; Bitar, Mainá; Drummond, Marcela G; Grynberg, Priscila; Oliveira, Denise A A; Marques, Catarina; Van Houten, Ben; McCulloch, Richard	Mol Microbiol	92 / 756-76	PubMed Citat
Oxidants and not alkylating agents induce rapid mtDNA loss and mitochondrial dysfunction.	Furda, Amy M; Marrangoni, Adele M; Lokshin, Anna; Van Houten, Bennett	DNA Repair (Amst)	11 / 684-92	PubMed Citat
Probing for DNA damage with β-hairpins: similarities in incision efficiencies of bulky DNA adducts b ...	Liu, Yang; Reeves, Dara; Kropachev, Konstantin; Cai, Yuqin; Ding, Shuang; Kolbanovskiy, Marina; Kolbanovskiy, Alexander; Bolton, Judith L; Broyde, Suse; Van Houten, Bennett; Geacintov, Nicholas E	DNA Repair (Amst)	10 / 684-96	PubMed Citat
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Quantitative proteomics reveal ATM kinase-dependent exchange in DNA damage response complexes.	Choi, Serah; Srivas, Rohith; Fu, Katherine Y; Hood, Brian L; Dost, Banu; Gibson, Gregory A; Watkins, Simon C; Van Houten, Bennett; Bandeira, Nuno; Conrads, Thomas P; Ideker, Trey; Bakkenist, Christopher J	J Proteome Res	11 / 4983-91	PubMed Citat
Real-time single-molecule imaging reveals a direct interaction between UvrC and UvrB on DNA tightrop ...	Hughes, Craig D; Wang, Hong; Ghodke, Harshad; Simons, Michelle; Towheed, Atif; Peng, Ye; Van Houten, Bennett; Kad, Neil M	Nucleic Acids Res	41 / 4901-12	PubMed Citat
Removal of misincorporated ribonucleotides from prokaryotic genomes: an unexpected role for nucleoti ...	Vaisman, Alexandra; McDonald, John P; Huston, Donald; Kuban, Wojciech; Liu, Lili; Van Houten, Bennett; Woodgate, Roger	PLoS Genet	9 / e1003878	PubMed Citat

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Single molecule approaches: watching DNA repair one molecule at a time. Preface.	Kad, Neil M; Van Houten, Bennett	DNA Repair (Amst) (2014 Aug)	20 / 1	PubMed Citat
Single molecule techniques in DNA repair: a primer.	Hughes, Craig D; Simons, Michelle; Mackenzie, Cassidy E; Van Houten, Bennett; Kad, Neil M	DNA Repair (Amst) (2014 Aug)	20 / 2-13	PubMed Citat
Single-molecule analysis reveals human UV-damaged DNA-binding protein (UV-DDB) dimerizes on DNA via ...	Ghodke, Harshad; Wang, Hong; Hsieh, Ching L; Woldemeskel, Selamawit; Watkins, Simon C; Rapić-Otrin, Vesna; Van Houten, Bennett	Proc Natl Acad Sci U S A (2014 May 6)	111 / E1862-71	PubMed Citat
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XPB helicase regulates DNA incision by the Thermoplasma acidophilum endonuclease Bax1.	Roth, Heide M; Romer, Johannes; Grundler, Verena; Van Houten, Bennett; Kisker, Caroline; Tessmer, Ingrid	DNA Repair (Amst) (2012 Mar 1)	11 / 286-93	PubMed Citation
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